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TITLE: Page suppressing tool used for book during reading has hook-and-loop fastener stuck to back side of other end of stationary plate, and another hook-and-loop fastener provided to other end of main body

PATENT-ASSIGNEE: SATO K[SATOI]

PRIORITY-DATA: 2000JP-0369276 (October 27, 2000)

PATENT-FAMILY:

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INT-CL (IPC): B42D009/00

ABSTRACTED-PUB-NO: JP2002127642A

BASIC-ABSTRACT:

NOVELTY - A transparent band (5) is attached to other end of one expansion band (4). Another expansion band (6) is attached to other end of transparent band. A stationary plate (7) is attached to other end of the other expansion band. A hook-and-loop fasteners (8) is stuck to the back side of other end of stationary plate. Another hook-and-loop fastener (9) is provided to other end of another main body (2).

DETAILED DESCRIPTION - One main body (1) is connected to the other main body by a hinge (3). One expansion band is attached to other end of one main body.

USE - Used for book during reading.

ADVANTAGE - Holds opened page of book of any size or any thickness. Transparent band is prevented from interfering with reading. Improves utilization efficiency. Made small when not in use.

DESCRIPTION OF DRAWING(S) - The figure shows the sectional drawing of the page suppressing tool. (Drawing includes non-English language text).

Main bodies 1,2

Hinge 3

Expansion bands 4,6

Transparent band 5

Stationary plate 7

Hook-and-loop fasteners 8,9

CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: PAGE SUPPRESS TOOL BOOK READ HOOK LOOP FASTEN STICK BACK SIDE END STATIONARY PLATE HOOK LOOP FASTEN END MAIN BODY

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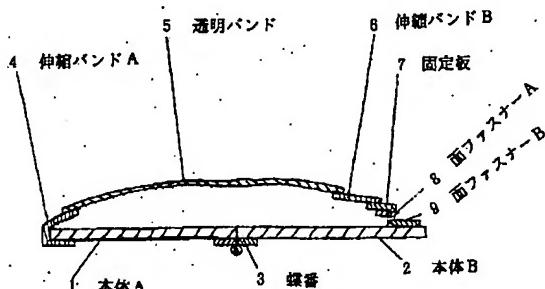
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(54) 【発明の名称】 ページ押さえ具

(57) 【要約】

【課題】 従来のページ押さえ具は大型であったり、ページのめくり替えが簡単に出来なかったり、ページ押さえ部が読書時の邪魔になっていたりの欠点があった。

【解決手段】 本体A、Bを蝶番で連結し、伸縮バンドA、Bと固定位置の調節可能な面ファスナーA、Bと透明バンドによるページ押さえ具とした。



端の裏面に、幅広のゴム紐より成る伸縮バンドA(4)を取りつけ、伸縮バンドA(4)の他端に透明ビニールより成る透明バンド(5)を取り付け、透明バンド(5)の他端に幅広のゴム紐よりなる伸縮バンドB(6)を取り付ける。

【0007】伸縮バンドB(6)の他端に合成樹脂より成る固定板(7)を取り付け、固定板(7)の裏面に面ファスナーA(8)を貼付し、本体B(2)の他端に面ファスナーB(9)を設けたページ押さえ具。

10 【請求項2】 本体A(1)、本体B(2)及び固定板(6)が合成樹脂、伸縮バンドA(4)、伸縮バンドB(6)がゴム紐、透明バンド(5)が透明ビニールである請求項1記載のページ押さえ具。

【発明の詳細な説明】

【0001】

【発明の属する技術分野】本発明は読書時に使用するページ押さえ具に関するものである。

【0002】

【従来の技術】従来のページ押さえ具は、本体の左右に、開いた本のページを押さえる固定部が設けられ、バネその他の力を利用し、棒状、板状、クリップ状等によりページを押さえたり、開いたページの中央部に銀杏の葉型の透明器具を差し込みページを押さえていた。

【0003】

【発明が解決しようとする課題】従来のページ押さえ具は、器具そのものが大型で、何処でも簡単に使えず、不要時の収納スペースも多く必要であったり、開いたページを押さえる部分が文字部分に掛かり読書の邪魔になったり、ページをめくり替える時の操作が簡単に出来なかったり、本の大小、厚みに適切な対応が出来ず、ページ押さえ機能の低下する欠点があった。

【0004】

【課題を解決するための手段】本体A(1)と本体B(2)を蝶番(3)で連結し、本体A(1)の他端に伸縮バンドA(4)を取り付け、伸縮バンドA(4)の他端に透明バンド(5)を取り付け、透明バンド(5)の他端に伸縮バンドB(6)を取り付け、伸縮バンドB(6)の他端に固定板(7)を取り付け、固定板(7)の裏面に面ファスナーA(8)を貼付し、本体B(2)の他端に面ファスナーB(9)を設ける。

【0005】

【実施例】以下図1、図2、図3に基づいて説明する。図1に示すが如く、合成樹脂より成る細長い本体A(1)と本体B(2)のそれぞれの裏面を蝶番(3)にて連結し本体A(1)と本体B(2)を折り畳み可能とする。この際使用する蝶番(3)は合成樹脂製が、薄く軽くコンパクト化に適している。

【0006】蝶番(3)を取り付けた本体A(1)の他

10 節に必要な長さの面ファスナーB(9)を設ける。

【0008】本発明の使用については図3に示すが如く、本体A(1)と本体B(2)上に開いた本(10)を置いて透明バンド(5)で開いたページを伸縮バンドA(4)伸縮バンドB(6)の張力により押さえることが可能な面ファスナーB(9)上の適切な位置に面ファスナーA(8)を圧接固定し開いたページを押さえる。

【0009】ページをめくり替えるには、透明バンド(5)を上に持ち上げれば、伸縮バンドA(4)、B(6)が伸びるので簡単にページのめくり替えが可能である。不要の時は図2に示すが如く折り畳むことができ、長さは半分に縮小する。

【発明の効果】伸縮バンドA(4)、B(6)の伸縮自在な張力と、面ファスナーA(8)、B(9)による固定位置の調節可能な作用により、どんな大きさの本でも、どんな厚さの本でも開いたページをしっかりと維持することが可能であり、ページのめくり替えも透明バンド(5)を上に持ち上げるだけでよいので至極簡単である。又、透明バンド(5)は透明であるためバンドの下部の文字もそのまま読むことが可能であるので読書の妨げにはならない。使用時、不使用時においてもコンパクトであることは大きな利便性を有している。

【図面の簡単な説明】

【図1】 本発明の断面図である。

【図2】 本発明に於ける折り畳み収納時の断面図である。

【図3】 本発明の使用状態を示す斜視図である。

【符号の説明】

1 本体A

2 本体B

3 蝶番

4 伸縮バンドA

5 透明バンド

6 伸縮バンドB

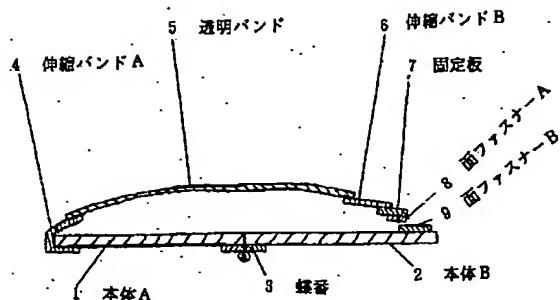
7 固定板

8 面ファスナーA

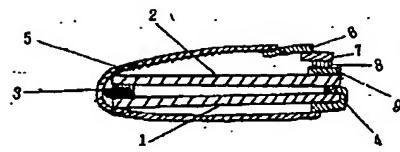
9 面ファスナーB

10 本

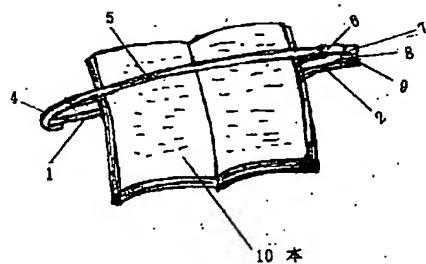
【図1】



【図2】



【図3】



Rough Translation

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Notes:

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CLAIMS

[Claim(s)]

[Claim 1] Connect main part B (2) with main part A (1) on a hinge (3), and elastic band A (4) is attached to the other end of main part A (1). Attach a transparent band (5) to the other end of elastic band A (4), and elastic band B (6) is attached to the other end of a transparent band (5). The page control implement which attached the fixed board (7) to the other end of elastic band B (6), stuck surface fastener A (8) on the back of the other end of a fixed board (7), and prepared surface fastener B (9) in the other end of main part B (2).

[Claim 2] The page control implement according to claim 1 an elastic cord and whose transparent band (5) synthetic resin and elastic band A (4) and elastic band B (6) are transparent vinyl in main part A (1), main part B (2), and a fixed board (6).

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the page control implement used at the time of reading.

[0002]

[Description of the Prior Art] The holding part which presses down the page of the open book was prepared in right and left of the main part, and the conventional page control implement used a spring and other power, the page was pressed down according to tabular [rod-like], the shape of a clip, etc., and fitted the leaf type transparent instrument of the ginkgo tree over the open central part of the page, and was pressing down the page.

[0003]

[Problem to be solved by the invention] The instrument of the conventional page control implement itself is large-sized, and it cannot use it easily anywhere. By the portion which

presses down the page which many storage space at the time of needlessness was also necessities, or was opened starting a character portion, did not become the obstacle of reading, operation when turning over a page again was not completed simply, suitable correspondence for the size of a book and thickness was not completed, but there was a fault to which a page control function falls.

[0004]

[Means for solving problem] Connect main part B (2) with main part A (1) on a hinge (3), and elastic band A (4) is attached to the other end of main part A (1). Attach a transparent band (5) to the other end of elastic band A (4), and elastic band B (6) is attached to the other end of a transparent band (5). A fixed board (7) is attached to the other end of elastic band B (6), surface fastener A (8) is stuck on the back of the other end of a fixed board (7), and surface fastener B (9) is prepared in the other end of main part B (2).

[0005]

[Working example] Based on drawing 1 ; drawing 2 , and drawing 3 , it explains below. As it is shown in drawing 1 , each back of long and slender main part A (1) which consists of a synthetic resin, and main part B (2) is connected on a hinge (3), and main part B (2) is carried out to main part A (1) foldable. Under the present circumstances, as for the hinge (3) to be used, the product made of a synthetic resin is lightly suitable for miniaturization thinly.

[0006] Elastic band A (4) which consists of a broad elastic cord is attached to the back of the other end of main part A (1) which attached the hinge (3). The transparent band (5) which grows into the other end of elastic band A (4) from transparent vinyl is attached, and elastic band B (6) which becomes the other end of a transparent band (5) from a broad elastic cord is attached.

[0007] The fixed board (7) which grows into the other end of elastic band B (6) from a synthetic resin is attached, surface fastener A (8) is stuck on the back of a fixed board (7), and surface fastener [of length required for regulation of the fixed position of a fixed board (7)] B (9) is prepared in the surface of main part B (2) connected on the hinge (3).

[0008] As use of this invention is shown in drawing 3 The page which carried out pressure welding fixation and opened surface fastener A (8) to the suitable position on surface fastener B (9) which can press down the page which placed the book (10) opened on main part A (1) and a main part B (2), and was opened in the transparent band (5) with the tension of elastic band A(4) elastic band B (6) is pressed down.

[0009] If a transparent band (5) is lifted upwards in order to turn over a page again, since elastic band A (4) and B (6) are extended, a turn substitute of a page is simply possible. When unnecessary, it can fold up, as it is shown in drawing 2 , and length is reduced to a half.

[Effect of the Invention] [with the operation which can adjust the elastic tension of elastic band A (4) and B (6), and the fixed position by surface fastener A (8) and B (9)] It is possible to

maintain firmly the page opened with the book of any sizes or the book of what kind of thickness, and since ** is good as a turn substitute of a page also lifts a transparent band (5) upwards, it is very easy. Moreover, since it is transparent and the character of the lower part of a band can also be read as it is, a transparent band (5) does not become the hindrance of reading. The thing compact at the time of un-using it has big convenience at the time of use.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the sectional view of this invention.

[Drawing 2] It is a sectional view at the time of the folding storage in this invention.

[Drawing 3] It is the perspective view showing the busy condition of this invention.

[Explanations of letters or numerals]

1 Main Part A

2 Main Part B

3 Hinge

4 Elastic Band A

5 Transparent Band

6 Elastic Band B

7 Fixed Board

8 Surface Fastener A

9 Surface Fastener B

10 Book

[Translation done.]